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CENTRAL INTELLIGENCE AGENCY 25X1REPORT

INFORMATION REPORT

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First Quarter of 1951

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The following is a list of Communist China's metal requirements for the first quarter of 1951.

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1. Copper ingots:

8,000 metric tons, of which 3,000 tons or more should be electrolytic 99.9% and 2,000 tons maximum fire-refined 99.5% casting copper ingots.

2. Copper wire electrolytic 99.8 minimum:

4,000 metric tons of which 1,000 tons should be SSG 10, 1,000 tons SSG 11 and 500 tons each of smaller sizes.

3. Copper sheets:

300 metric tons of varied sizes.

4. Copper tubes:

220 metric tons - 20 tons of each of the following:

1/2" : 20 up (sic)	1" x 20 up
3/8 x 20 up	1 1/2 x 20 up
1/2 x 20 up	1 1/2 x 20 up
5/8 x 20 up	2 x 20 up
3/4 x 20 up	2 1/4 x 20 up
7/8 x 20 up	

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5. Copper plated (sic) (hand) size 4' x 8':

100 tons

20 tons 1/6" thickness
 " 1/8" thickness
 " 3/32" thickness
 " 3/16" thickness
 " 1/4" thickness

6. Copper cable:

10,000 metric tons (bigger size the better)

7. Brass sheets:

400 metric tons alloy 63% copper, 37% zinc, size 4' x 8'

80 tons 1/16" thickness
 " 3/32" thickness
 " 1/8" thickness
 " 3/16" thickness
 " 1/4" thickness

8. Brass condenser tubes:

200 tons

	Out diameter	In diameter	Length
20 tons	24 mm	22 mm	4550 mm
20 tons	25 mm	22 mm	4660 mm
20 tons	15 mm	13 1/2 mm	1155 mm
20 tons	15/16 mm	7/8 mm	9-1/8 inch
20 tons	14 mm	12.8 mm	1500 mm
20 tons	16 mm	14.8 mm	1250 mm
20 tons	19 mm	17.8 mm	3836 mm
20 tons	25 mm	23 mm	5460 mm
20 tons	28 mm	27 mm	4870 mm
20 tons	7/8 mm	6/7 mm	4100 mm

9. Brass sheet varied:

2,000 metric tons

10. Tin Plate:

Any amount

11. Lead ingots:

99.9% preferred but will accept over 98.5%. 2,500 metric tons.

12. Zinc ingots:

99.9% preferred. 1,500 metric tons.

13. Zinc sheets:

3' x 8'. 500 tons

100T G4
 100T G5
 100T G6
 100T G7
 100T G8

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14. Aluminum ingots:

Purity 99.5% up. 2,000 metric tons minimum.

15. Aluminum sheets:

4' x 8'. 800 tons.

200T G16
 200T G18
 200T G30
 200TT G22

16. Nickel ingots:

500 metric tons minimum

Ni 99%
 Cu 0.2%
 C 0.04%
 Fe 0.5%
 Si 0.15%

17. Cobalt Rondels:

50 tons minimum

Co 97%
 Ni 0.5%
 O 1%

18. Chromite:

3,000 tons minimum ship load

Cr₂O₃ 52.6%
 Al₂O₃ 11.32%
 Fe₂O₃ 0.7%
 Fe O 13.3%
 Mg O 16.4%
 Ca O 1.1%
 Mn O 0.3%
 SiO₂ 1.86%
 SO₂ 0.1%
 H₂O 2.3%

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1. Ferro-alloys

2. Ferro-chrome 200 tons
 68% Cr. 5% C

3. Ferro-manganese 200 tons
 78% 0.5% C

4. Ferro-Silicon 65% up 200 tons

5. Ferro-molybdenum 70% Mo. 100 tons

6. Ferro-nickel 85% 50 tons

7. Ferro-cobalt 97 to 99% 50 tons

8. Ferro-titanium 38% Carbon free 50 tons

9. Ferro-tungsten 80% 300 tons

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Iron and Steel

Structural steel: 20,000 tons

Boiler plates: 5,000 tons Flange

transile strength 26/30 tons per square inch, of which

500 tons 1/2" thickness	Size 4' x 88'
500 tons 1/8" "	" 4' x 8'
500 tons 1/2" "	" 5' x 10'
500 tons 5/8" "	" 5' x 10'

Rails: 45 and 52 20,000 tons

Locomotive wheels, rolling stock and locomotives

Tool steels, any amount

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